

EXHIBIT "A"

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Document ID # _____
 Correction of PTO Error
Reel # _____ Frame # _____
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Conveyance Type

Assignment
 License
 Merger
 Security Agreement
 Change of Name
 Other:

Conveying Party(ies)

1. MANNI, Sarat C.
2. RAMARATHNAM, Bama
3. KENI, Mahesh G.
4.
5.
6.

Execution Date(s)

May 1, 2001
May 1, 2001
May 16, 2001

 Mark if Additional Names of Conveying Parties Attached

Receiving Party

Name Microsoft Corporation

Name

Address One Microsoft Way

Address

Address Redmond

Washington

98052

City

State/Country

Zip Code

 Mark if Additional Names of Receiving Parties Attached

Correspondent Name and Address

John B. Conklin, Reg. No. 30,369
Leydig, Voit & Mayer, Ltd.
Two Prudential Plaza, Suite 4900
Chicago, Illinois 60601-6780

Telephone: (312) 616-5600
Facsimile: (312) 616-5700
Attorney Docket No 207197

Pages Enter the total number of pages of the attached conveyance document including any attachments: 1

Application Number(s) or Patent Number(s)

 Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Numbers

Patent Numbers

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing Inventor. Month Day Year 05/01/01

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT

PCT PCT PCT

Number of Properties

Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment:

 Enclosed is a check in the amount of \$858.00, \$40.00 of which is for the Assignment Charge Deposit Account No. 12-1216Authorization to Charge Additional Fees to Deposit Account No. 12-1216: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

John B. Conklin, Reg. No. 30,369

May 29, 2001

Name of Person Signing

Signature

Date

03/01/2001 XCEBREK1 00000007 09867303

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40.00 BP

Leydig, Voit & Mayer, Ltd.
Attorneys at Law
Two Prudential Plaza
Suite 4900
180 North Stetson
Chicago, Illinois 60601-6780

ASSIGNMENT

WHEREAS, we Sarat C. Manni of 4306 156th Avenue NE, Apartment PP147, Redmond, Washington 98052, Bama Ramarathnam of 23815 NE 24th Place, Sammamish, Washington 98074 and Mahesh G. Keni of 17727 NE 104th Way, Redmond, Washington 98052(hereinafter referred to as ASSIGNORS), are the joint inventors of an invention entitled GENERIC USER CONTROL POINT TOOL FOR UNIVERSAL PLUG AND PLAY (UPnP) DEVICES as described and claimed in the specification forming part of an application for United States letters patent filed herewith;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, Washington 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention,

In re Application of Manni et al.
Application Number Unassigned
Assignment

treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their

successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date 05/01/01

Mannion

Sarat C. Manni

STATE OF Washington)
COUNTY OF King) SS:
)

On this 1st day of May, 2001, before me, a Notary Public in and for said county, appeared Sarat C. Manni, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

John Hudson
Notary Public

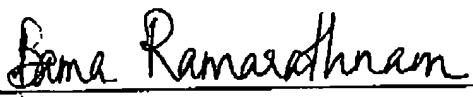
My Commission Expires: 12-14-2001



In re Application of Manni et al.
Application Number: Unassigned
Assignment

Date

05/01/01



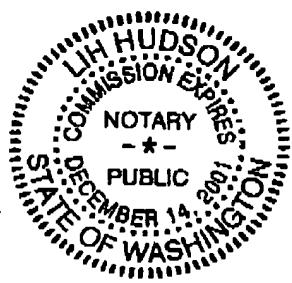
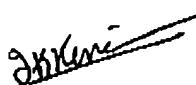
Bama Ramarathnam

STATE OF Washington)
COUNTY OF King) SS:

On this 1st day of May, 2001, before me, a Notary Public in and for said county, appeared Bama Ramarathnam, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



Notary Public

My Commission Expires: 12-14-2001Date 05/16/01


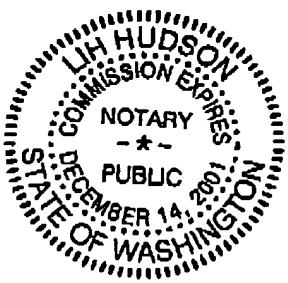
Mahesh G. Keni

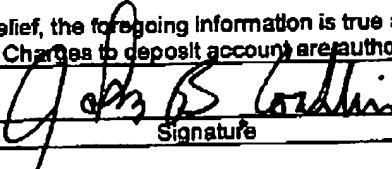
STATE OF Washington)
COUNTY OF King) SS:

On this 16th day of May, 2001, before me, a Notary Public in and for said county, appeared Mahesh G. Keni, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



Notary Public

My Commission Expires: 12-14-2001

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Conveying Party(ies) 1. MANNI, Sarat C. 2. RAMARATHNAM, Bama 3. KENI, Mahesh G. 4. 5. 6.		Execution Date(s) May 1, 2001 May 1, 2001 May 16, 2001	
<input type="checkbox"/> Mark if Additional Names of Conveying Parties Attached			
Receiving Party Name Microsoft Corporation Name Address One Microsoft Way Address Redmond Washington 98052 City State/Country Zip Code			
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Correspondent Name and Address John B. Conklin, Reg. No. 30,369 Leydig, Voit & Mayer, Ltd. Two Prudential Plaza, Suite 4900 Chicago, Illinois 60601-6780		Telephone: (312) 616-5600 Facsimile: (312) 616-5700 Attorney Docket No. 207197	
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		PCT	PCT
Number of Properties Enter the total number of properties involved: 1			
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00			
Method of Payment <input checked="" type="checkbox"/> Enclosed is a check in the amount of \$850.00, \$40.00 of which is for the Assignment <input type="checkbox"/> Charge Deposit Account No. 12-1218 Authorization to Charge Additional Fees to Deposit Account No. 12-1218: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.			
John B. Conklin, Reg. No. 30,369	 Signature		May 29, 2001
Name of Person Signing			Date